EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 1 | (MIDI and gain and electroacoustic).clm. | US-PGPUB; USPAT | OR | ON | 2008/12/15 06:59 |
| L3 | 7 | limit with electroacoustic with (gain volume amplitude) | US-PGPUB; USPAT | OR | ON | 2008/12/15 07:03 |
| L4 | 12 | limit with electroacoustic with (gain volume amplitude) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:03 |
| L5 | 68 | (adjust$4 customiz$3 customis$3) with automatically with (maximum adj (gain volume amplitude)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:06 |
| L6 | 143 | 381/55.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:13 |
| L7 | 547 | (adjust$4 customiz$3 customis$3) with automatic$4 with maximum with (gain volume amplitude) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:13 |
| L8 | 1852 | (control$4 adjust$4 customiz$3 customis$3) with automatic$4 with maximum with (gain volume amplitude) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:14 |
| L9 | 1 | L6 and L8 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:14 |
| L10 | 85 | (control$4 adjust$4 customiz$3 customis$3) with automatic$4 with maximum with limit with (gain volume amplitude) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:15 |
| L11 | 41794 | ("381"/$ 700/94).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:16 |
| L12 | 4 | L10 and L11 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:16 |

| L13 | 5866 | maximum with limit with (gain volume amplitude) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:18 |
|---|---|---|---|---|---|---|
| L14 | 114 | maximum with limit with (gain volume amplitude) with particular | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:18 |
| L15 | 70 | maximum with limit with (gain volume amplitude) with (transducer speakers headphones (head adj phones) earphones (ear adj phones)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:19 |
| L16 | 25 | L15 and L11 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:19 |
| L17 | 6 | ("4454609" \| "5204677" \| "6865274").PN. OR ("2008/0056504" \| "2008/0075304" \| "7013011").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/12/15 07:27 |
| L18 | 66 | midi and "gain factor" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:35 |
| L19 | 72 | maximum with limit with (gain volume amplitude) with (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:39 |
| L20 | 26 | L19 and ("381"/$ 700/94 "84"/$).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:39 |
| L21 | 0 | (10/560675).APP. | USPAT; USOCR | OR | ON | 2008/12/15 07:49 |
| L22 | 1233 | 381/104,106,107,108,55.ccls. | USPAT; USOCR | OR | ON | 2008/12/15 07:51 |
| L23 | 1842 | 381/104,106,107,108,55.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:51 |
| L24 | 22 | L23 and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:51 |

| L25 | 143 | 381/55.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:54 |
|-----|-----|------|------|-----|-----|------|
| L26 | 2 | 381/55.ccls. and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:55 |
| L27 | 1 | maximum with limit with (gain volume amplitude) with (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 07:55 |
| L28 | 3 | maximum with limit with (gain volume amplitude) with (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) with compar$4 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:09 |
| L29 | 688 | 381/107.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:12 |
| L30 | 8 | 381/107.ccls. and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:12 |
| L31 | 3 | (maximum with limit with (gain volume amplitude) with compar$4) same (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:47 |
| L32 | 159 | (maximum with (gain volume amplitude) with compar$4) same (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:48 |
| L33 | 78 | (maximum with (gain volume amplitude) with compar$4) with (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:48 |
| L34 | 2 | L32 and (84/633,645 381/55,107).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:48 |

| L35 | 3 | (maximum with (gain volume amplitude) with compar$4 with absolute) same (transducer speakers headphones (head adj phones) earphones (ear adj phones) electroacoustic (electro adj acoustic)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/12/15 08:49 |
| S1 | 3 | ("5852251" "5138926" "20030012361").pn. | US-PGPUB; USPAT | OR | ON | 2007/11/20 11:38 |
| S2 | 29 | ((THOMAS) near2 (LECHNER)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 11:02 |
| S3 | 32 | ((THOMAS) near2 (LECHNER)).INV. | EPO; JPO; DERWENT | OR | ON | 2007/11/20 11:28 |
| S4 | 2 | "US 20060272487" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2007/11/26 17:57 |
| S5 | 30 | (preprocess$3 precompil$3 (pre adj process$3) (pre adj compil$3)) with midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 12:02 |
| S6 | 52 | ("4433601" \| "4674384" \| "4723467" \| "4875400" \| "4930390" \| "4962688" \| "4972753" \| "5010799" \| "5029508" \| "5119711" \| "5140887" \| "5208421" \| "5376752" \| "5453570" \| "5471008" \| "5521323" \| "5521324" \| "5574243" \| "5596159" \| "5616878").PN. OR ("5138926" \| "5852251").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 11:50 |
| S7 | 40 | S6 and midi | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 11:50 |
| S8 | 0 | (prerender$3 (pre adj render$3)) with midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 12:07 |
| S9 | 37 | S7 and (limit$3 compress$3 normali $6) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 12:31 |

| S10 | 50 | ("20060272487" "20070022869" "5942707" "5945619" "5864868" "5869783" "6768046" "7230177" "20030188626" "20040099126" "6718231" "20030023347" "5763800" "6095418" "20050188823" "5852251" "6140568" "5393926" "5455378" "5491297" "5690496" "5723802" "6856923" "6975995" "7045700" "20030014262" "20030120679" "20040044487" "20040196747" "20040267541" "6525256" "20010045155" "5202526" "5488196" "6355871" "20060129388" "6476305" "20020007724" "7002069" "20050211075" "5889860" "6355869" "6751439" "7148414" "7239320" "20020004191" "20040144236" "20040255755" "20050005760" "20050114324" ). pn. | US-PGPUB; USPAT | OR | ON | 2007/11/20 12:17 |
| S11 | 44 | S10 and (limit$3 compress$3 normali$6) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 12:32 |
| S12 | 3 | ("20020010740" \| "20030027604" \| "6150599").PN. OR ("7002069"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 12:48 |
| S13 | 838 | 84/633,645,665.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 13:08 |
| S14 | 3 | ("20030027604" "20020010740" "6150599").pn. | US-PGPUB; USPAT | OR | ON | 2007/11/20 12:52 |
| S15 | 2 | ("2002258841" "2001197585").pn. | JPO | OR | ON | 2007/11/20 12:52 |
| S16 | 81 | midi same normali$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 12:55 |
| S17 | 1 | S13 and midi and (render$3 with advance) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 13:09 |
| S18 | 45 | S13 and midi and normali$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 13:10 |

| S19 | 567 | 84/645.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 13:17 |
|---|---|---|---|---|---|---|
| S20 | 57 | S19 and (normali$6 clip$4) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 13:19 |
| S21 | 136 | midi and (waveform with advance) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 15:13 |
| S22 | 11 | ("5596159").PN. OR ("5942707").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 15:01 |
| S23 | 18 | midi same (waveform with advance!) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/20 15:13 |
| S24 | 10 | ("5319151").PN. OR ("5770812").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 15:13 |
| S25 | 10 | ("5319151").PN. OR ("5770812").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/20 15:13 |
| S26 | 28 | (US-20030012361-$ or US-20010045155-$ or US-20040225498-$ or US-20050247182-$ or US-20050145099-$).did. or (US-5852251-$ or US-5138926-$ or US-6995310-$ or US-6639141-$ or US-7162314-$ or US-7126051-$ or US-6970822-$ or US-7107110-$ or US-5119711-$ or US-7002069-$ or US-6525256-$ or US-5945619-$ or US-5942707-$ or US-5827989-$ or US-5974387-$ or US-5331111-$ or US-5902949-$ or US-6414232-$ or US-6180863-$ or US-6140566-$ or US-5913258-$ or US-7247784-$ or US-5770812-$).did. | US-PGPUB; USPAT | OR | ON | 2007/11/21 14:44 |
| S27 | 1 | S26 and "transfer function" | US-PGPUB; USPAT | OR | ON | 2007/11/21 14:44 |
| S28 | 170 | midi and ((transfer adj function) "transfer function") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/21 14:55 |
| S29 | 9 | ("4986159" \| "5381356" \| "5448509" \| "5604810").PN. OR ("5905221" \| "5939656").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 15:14 |

| S30 | 50 | ("20060272487" "20070022869" "5942707" "5945619" "5864868" "5869783" "6768046" "7230177" "20030188626" "20040099126" "6718231" "20030023347" "5763800" "6095418" "20050188823" "5852251" "6140568" "5393926" "5455378" "5491297" "5690496" "5723802" "6856923" "6975995" "7045700" "20030014262" "20030120679" "20040044487" "20040196747" "20040267541" "6525256" "20010045155" "5202526" "5488196" "6355871" "20060129388" "6476305" "20020007724" "7002069" "20050211075" "5889860" "6355869" "6751439" "7148414" "7239320" "20020004191" "20040144236" "20040255755" "20050005760" "20050114324" ).pn. | US-PGPUB; USPAT | OR | ON | 2007/11/21 15:14 |
|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|----|------------------|
| S31 | 35 | ("2823365" \| "4018121" \| "4321852" \| "4343969" \| "4653102" \| "5029509" \| "5111727" \| "5248845" \| "5251262" \| "5345471" \| "5361070" \| "5408911" \| "5448645" \| "5448904" \| "5473726" \| "5517571" \| "5572791" \| "5573012" \| "5587548" \| "5602959" \| "5682164" \| "5698807" \| "5704007" \| "5729694" \| "5744742" \| "5805110" \| "5825894" \| "6006175" \| "6073100" \| "6092039" \| "6122609" \| "6167138").PN. OR ("6542857").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 15:15 |
| S32 | 1 | (10/796493).APP. | USPAT; USOCR | OR | ON | 2007/11/21 15:22 |
| S33 | 4 | motorola.as. and midi.ti,ab. | USPAT; USOCR | OR | ON | 2007/11/21 15:22 |
| S34 | 42 | (US-20050247182-$ or US-20050145099-$ or US-20040225498-$ or US-20030012361-$ or US-20010045155-$ or US-20050221867-$ or US-20050211075-$ or US-20050181841-$ or US-20070022869-$).did. or (US-7247784-$ or US-7162314-$ or US-7126051-$ or US-7107110-$ or US-7002069-$ or US-6995310-$ or US-6970822-$ or US-6180863-$ or US-6639141-$ or US-6525256-$ or US-6414232-$ or US-6140566-$ or US-5974387-$ or US-5945619-$ or US-5852251-$ or US-5942707-$ or US-5913258-$ or US-5902949-$ or US- | US-PGPUB; USPAT | OR | ON | 2007/11/26 10:21 |

| | | 5138926-$ or US-5827989-$ or US-5770812-$ or US-5331111-$ or US-5119711-$ or US-7283948-$ or US-7191105-$ or US-7099482-$).did. or (US-6931134-$ or US-6542857-$ or US-5939656-$ or US-5905221-$ or US-6668204-$ or US-6437230-$ or US-5117726-$).did. | | | | |
|---|---|---|---|---|---|---|
| S35 | 12 | S34 and ("transfer function" (transfer adj function)) | US-PGPUB; USPAT | OR | ON | 2007/11/26 10:22 |
| S36 | 2706 | ("transfer function" (transfer adj function) "frequency response" (frequency adj response)) near4 (speaker headphone earphone (head adj phone) (ear adj phone) loudspeaker electroacoustic) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 11:10 |
| S37 | 188 | S36 and gain and (normaliz$5 normalis$5) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:17 |
| S38 | 0 | (09/728623).APP. | USPAT; USOCR | OR | ON | 2007/11/26 12:17 |
| S39 | 6 | S37 and MIDI | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:19 |
| S40 | 1 | MIDI and ((test preliminary trial) adj (render rendering)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:21 |
| S41 | 7 | MIDI and ((test preliminary trial) near4 (render rendering)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:21 |
| S42 | 272 | MIDI and ((test preliminary trial) with (render rendering synthesis$3 synthesiz$3)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:22 |
| S43 | 138 | MIDI and ((test preliminary trial) near4 (render rendering synthesis$3 synthesiz$3)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:22 |
| S44 | 63 | S42 and (music speaker audio) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:47 |

| S45 | 27 | S43 and (music speaker audio song) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 13:22 |
|-----|-----|-----|-----|-----|-----|-----|
| S46 | 46 | S44 not S45 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 12:55 |
| S47 | 1 | WO2004090862 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/26 13:23 |
| S48 | 37 | midi with (normaliz$5 normalis$5) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 08:49 |
| S49 | 5 | ("6061431" "5388185" "4942607" "5226086" "4284847").pn. | US-PGPUB; USPAT | OR | ON | 2007/11/26 17:59 |
| S50 | 1 | midi with (clipping) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 08:50 |
| S51 | 15 | midi same (clipping) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 08:52 |
| S52 | 30 | (clipping normaliz$5 normalis$5). ab. and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 08:56 |
| S53 | 109 | midi and (compressor limiter) same (gain amplitude volume dynamic) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 09:02 |
| S54 | 1840 | (normaliz$5 normalis$5) and clipping and (audio music song midi) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 09:03 |
| S55 | 179 | ((normaliz$5 normalis$5) same clipping) and (audio music song midi) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/27 09:14 |

| S56 | 18 | (704/224,225 700/94).ccls. and (normaliz$5 normalis$5 clipping) and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/05 12:29 |
|-----|-----|-----|-----|-----|-----|-----|
| S57 | 63 | (US-20050247182-$ or US-20050145099-$ or US-20040225498-$ or US-20030012361-$ or US-20010045155-$ or US-20050221867-$ or US-20050211075-$ or US-20050181841-$ or US-20070022869-$ or US-20020068986-$ or US-20020146136-$ or US-20030044028-$ or US-20040101148-$ or US-20050018862-$ or US-20050157866-$ or US-20070121955-$).did. or (US-7247784-$ or US-7162314-$ or US-7126051-$ or US-7107110-$ or US-7002069-$ or US-6995310-$ or US-6970822-$ or US-6180863-$ or US-6639141-$ or US-6525256-$ or US-6414232-$ or US-6140566-$ or US-5974387-$ or US-5945619-$ or US-5852251-$ or US-5942707-$ or US-5913258-$ or US-5902949-$ or US-5138926-$ or US-5827989-$ or US-5770812-$ or US-5331111-$ or US-5119711-$ or US-7283948-$ or US-7191105-$ or US-7099482-$).did. or (US-6931134-$ or US-6542857-$ or US-5939656-$ or US-5905221-$ or US-6668204-$ or US-6437230-$ or US-5117726-$ or US-3732370-$ or US-4622691-$ or US-4739513-$ or US-5506910-$ or US-5768398-$ or US-6201873-$ or US-6285767-$ or US-6584204-$ or US-6718039-$ or US-6721428-$ or US-6868162-$ or US-6999826-$ or US-7242784-$ or US-5900568-$).did. | US-PGPUB; USPAT | OR | ON | 2007/11/27 10:58 |
| S58 | 42 | S57 and midi | US-PGPUB; USPAT | OR | ON | 2007/11/27 11:00 |
| S59 | 2 | S58 and compressor | US-PGPUB; USPAT | OR | ON | 2007/11/27 11:00 |
| S60 | 1719 | (704/224,225 700/94).ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/05 12:29 |

| S61 | 65 | (US-20020068986-$ or US-20040225498-$ or US-20010045155-$ or US-20050221867-$ or US-20050181841-$ or US-20030012361-$ or US-20050145099-$ or US-20050211075-$ or US-20070121955-$ or US-20020146136-$ or US-20050157866-$ or US-20070022869-$ or US-20050247182-$ or US-20050060049-$ or US-20030044028-$ or US-20040101148-$ or US-20050018862-$).did. or (US-5902949-$ or US-5974387-$ or US-6525256-$ or US-5945619-$ or US-5770812-$ or US-5119711-$ or US-6180863-$ or US-6970822-$ or US-7107110-$ or US-7126051-$ or US-7162314-$ or US-6639141-$ or US-6995310-$ or US-5138926-$ or US-5852251-$ or US-6140566-$ or US-5942707-$ or US-7002069-$ or US-7283948-$ or US-5117726-$ or US-5913258-$ or US-6931134-$ or US-7099482-$ or US-6718039-$ or US-5900568-$ or US-5506910-$).did. or (US-4739513-$ or US-5768398-$ or US-6285767-$ or US-6584204-$ or US-6999826-$ or US-6868162-$ or US-6414232-$ or US-6437230-$ or US-6668204-$ or US-3732370-$ or US-5939656-$ or US-6542857-$ or US-6201873-$ or US-7242784-$ or US-5905221-$ or US-5827989-$ or US-7191105-$ or US-7247784-$ or US-4622691-$ or US-5331111-$ or US-6721428-$ or US-5812969-$).did. | US-PGPUB; USPAT | OR | ON | 2007/12/05 12:32 |
|------|------|------|------|------|------|------|
| S62 | 3 | S61 and compressor | US-PGPUB; USPAT | OR | ON | 2007/12/05 12:32 |
| S63 | 2 | S61 and compressor and midi | US-PGPUB; USPAT | OR | ON | 2007/12/05 13:13 |
| S64 | 1455 | 381/94.1,98,94.2.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/05 12:42 |
| S65 | 14 | S64 and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/05 12:47 |
| S66 | 1 | "20020122559".pn. | US-PGPUB | OR | ON | 2007/12/05 12:47 |

| S67 | 1 | S66 and compressor and midi | US-PGPUB; USPAT | OR | ON | 2007/12/05 13:13 |
| S68 | 2 | "20020122559".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 17:02 |
| S69 | 482 | 381/103.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 17:09 |
| S70 | 735 | 381/107-108.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 17:09 |
| S71 | 103 | (S69 S70) and (electroacoustic speaker loudspeaker) and "transfer function" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:09 |
| S72 | 56 | (S69 S70) and (electroacoustic speaker loudspeaker) same "transfer function" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:10 |
| S73 | 0 | S72 and MIDI | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:11 |
| S74 | 15 | (S69 S70) and MIDI | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:12 |
| S75 | 0 | (S69 S70) and (save with midi) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:31 |
| S76 | 1 | (S69 S70) and ((saving storing stores) with midi) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/19 18:31 |
| S77 | 482 | 381/103.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 12:39 |

| S78 | 735 | 381/107-108.ccls. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 12:39 |
|-----|-----|-------------------|---------------------------------------------------|----|----|------------------|
| S79 | 4 | (S77 S78) and (electroacoustic speaker loudspeaker) same "transfer function" and ((mobile cell) adj (phone telephone)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 12:39 |
| S80 | 4 | (S77 S78) and (electroacoustic speaker loudspeaker) same "transfer function" and ((mobile cell) adj (phone telephone terminal)) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 12:39 |
| S81 | 1 | (S77 S78) and (electroacoustic speaker loudspeaker) same "transfer function" and ((mobile cell) adj (phone telephone terminal)) and compressor | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 12:41 |
| S82 | 40 | "381".clas. and midi and (equalization equalisaton) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:00 |
| S83 | 40 | "381".clas. and midi and (equalization equalisation) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:00 |
| S84 | 5 | "381".clas. and (midi with file) and (equalization equalisaton) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:02 |
| S85 | 67 | (US-20010045155-$ or US-20020068986-$ or US-20020146136-$ or US-20030012361-$ or US-20030044028-$ or US-20040101148-$ or US-20040225498-$ or US-20050018862-$ or US-20050060049-$ or US-20050145099-$ or US-20050157866-$ or US-20050181841-$ or US-20050211075-$ or US-20050221867-$ or US-20050247182-$ or US-20070022869-$ or US-20070121955-$ or US-20020122559-$).did. or (US-7002069-$ or US-6999826-$ or US-5900568-$ or US-7162314-$ or US-5905221-$ or US-5902949-$ or US-5942707-$ or US-5331111-$ or US-7242784-$ or US-5974387-$ or US- | US-PGPUB; USPAT | OR | ON | 2008/06/20 13:39 |

| | | 6285767-$ or US-6140566-$ or US-6180863-$ or US-6414232-$ or US-6437230-$ or US-6525256-$ or US-6542857-$ or US-6584204-$ or US-6639141-$ or US-6668204-$ or US-6718039-$ or US-7247784-$ or US-6868162-$ or US-7283948-$ or US-6201873-$ or US-6721428-$).did. or (US-5770812-$ or US-5768398-$ or US-5506910-$ or US-5812969-$ or US-5827989-$ or US-5852251-$ or US-5945619-$ or US-7099482-$ or US-6995310-$ or US-7126051-$ or US-7107110-$ or US-5939656-$ or US-4739513-$ or US-4622691-$ or US-5138926-$ or US-5119711-$ or US-5117726-$ or US-6931134-$ or US-6970822-$ or US-7191105-$ or US-5913258-$ or US-5740260-$ or US-7110559-$).did. | | | | |
|------|-----|------|------|------|------|------|
| S86 | 44 | S85 and midi | US-PGPUB; USPAT | OR | ON | 2008/06/20 13:39 |
| S87 | 40 | ("5119711" \| "5140887" \| "5208421" \| "5376752" \| "5453570" \| "5471008" \| "5521323" \| "5521324" \| "5574243" \| "5596159" \| "5616878").PN. OR ("5852251"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 13:44 |
| S88 | 19 | ("4375776" \| "4677674" \| "4781097" \| "4993073" \| "5054077" \| "5060272" \| "5138926" \| "5206913" \| "5208421" \| "5212733" \| "5227573" \| "5260508" \| "5291558").PN. OR ("5740260"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 13:44 |
| S89 | 43 | ("20010053944" \| "20020108484" \| "20020144587" \| "20020144588" \| "5142961" \| "5303218" \| "5315057" \| "5331111" \| "5483618" \| "5511002" \| "5548759" \| "5565908" \| "5717154" \| "5734119" \| "5761684" \| "5768545" \| "5778187" \| "5792971" \| "5842014" \| "5852251" \| "5890017" \| "5902947" \| "5942707" \| "5977471" \| "5990879" \| "6044408" \| "6100461" \| "6152856" \| "6160213" \| "6169242" \| "6173317" \| "6175070" \| "6180863" \| "6216149" \| "6225546" \| "6233389" \| "6301603" \| "6357039" \| "6433266" \| "6541689" \| "6628928" \| "6640257" \| "6658309").PN. OR ("7107110" \| "7126051" \| "7162314").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 13:45 |
| S90 | 4 | ("20030044028" \| "5892834" \| "6373340" \| "6765436").PN. OR ("7110559").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 13:45 |

| S91 | 10 | (preprocess preprocessor) with midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:46 |
|---|---|---|---|---|---|---|
| S92 | 35 | (equalize equalization equaliser equalizer equalisation equalise) with midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:47 |
| S93 | 25 | (S86 S87 S88 S89 S90 S91 S92) and ("transfer" adj "function") | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:55 |
| S94 | 4 | (S86 S87 S88 S89 S90 S91 S92) and ("transfer" adj "function") with (speaker loudspeaker electroacoustic) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 13:59 |
| S95 | 3 | S94 and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 14:00 |
| S96 | 18 | S93 and midi | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 14:00 |
| S97 | 5 | S93 and (midi with file) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/06/20 14:01 |
| S98 | 1 | (10/796493).APP. | USPAT; USOCR | OR | ON | 2008/06/20 14:10 |
| S99 | 3 | ("20020010740" \| "20030027604" \| "6150599").PN. OR ("7002069").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 14:10 |
| S100 | 3 | S99 and midi | US-PGPUB; USPAT; USOCR | OR | ON | 2008/06/20 14:17 |
| S101 | 2 | ("5930373" \| "6068489").PN. | USPAT | OR | ON | 2008/06/20 14:35 |

| S102 | 147 | US-20070022869-$.DID. OR US-6782308-$.DID. OR US-7230177-$.DID. OR US-20020159179-$.DID. OR US-20030069669-$.DID. OR US-20040099126-$.DID. OR US-20040133425-$.DID. OR US-5377167-$.DID. OR US-20030012361-$.DID. OR US-6127618-$.DID. OR US-20060014570-$.DID. OR US-5590282-$.DID. OR US-6122230-$.DID. OR US-20010013039-$.DID. OR US-20020026867-$.DID. OR US-20050110619-$.DID. OR US-20040072478-$.DID. OR US-5671287-$.DID. OR US-6959096-$.DID. OR US-20040114774-$.DID. OR US-6219426-$.DID. OR US-7207935-$.DID. OR US-20040193642-$.DID. OR US-5127303-$.DID. OR US-5231239-$.DID. OR US-5285437-$.DID. OR US-5402339-$.DID. OR US-5502274-$.DID. OR US-5672837-$.DID. OR US-5679911-$.DID. OR US-5679912-$.DID. OR US-5753844-$.DID. OR US-5768127-$.DID. OR US-5773742-$.DID. OR US-5835670-$.DID. OR US-5880388-$.DID. OR US-5895876-$.DID. OR US-5957696-$.DID. OR US-5974387-$.DID. OR US-6288991-$.DID. OR US-6377862-$.DID. OR US-6549767-$.DID. OR US-6552254-$.DID. OR US-6554711-$.DID. OR US-6707908-$.DID. OR US-6714233-$.DID. OR US-6797873-$.DID. OR US-6999752-$.DID. OR US-7050870-$.DID. OR US-7065417-$.DID. OR US-20070022869-$.DID. OR US-5212563-$.DID. OR US-5359158-$.DID. OR US-20060136544-$.DID. OR US-5218643-$.DID. OR US-4368530-$.DID. OR US-20030123356-$.DID. OR US-5243662-$.DID. OR US-5751821-$.DID. OR US-5305388-$.DID. OR US-5189703-$.DID. OR US-5361381-$.DID. OR US-5222059-$.DID. OR US-5481615-$.DID. OR US-5206912-$.DID. OR US-5572443-$.DID. OR US-6038326-$.DID. OR US-5661271-$.DID. OR US-4496021-$.DID. OR US-5732142-$.DID. OR US-4516257-$.DID. OR US-5745586-$.DID. OR US-4332979-$.DID. OR US-5748753-$.DID. OR US-4506759-$.DID. OR US-5764777-$.DID. OR US-4538298-$.DID. OR US-5778087-$.DID. OR US-4550228-$.DID. OR US-5812674-$.DID. OR US-4899387-$.DID. OR US-5937074-$.DID. OR US-5027411-$. | US-PGPUB; USPAT | OR | ON | 2008/06/20 14:42 |
| --- | --- | --- | --- | --- | --- |

DID. OR US-5952620-$.DID. OR US-5208860-$.DID. OR US-6111969-$.DID. OR US-5265166-$.DID. OR US-6130954-$.DID. OR US-5510578-$.DID. OR US-6285767-$.DID. OR US-5559891-$.DID. OR US-6324294-$.DID. OR US-6122381-$.DID. OR US-6343134-$.DID. OR US-6170603-$.DID. OR US-6418231-$.DID. OR US-6175489-$.DID. OR US-6530451-$.DID. OR US-3582553-$.DID. OR US-6567529-$.DID. OR US-4138594-$.DID. OR US-6795557-$.DID. OR US-4119799-$.DID. OR US-7031474-$.DID. OR US-4268719-$.DID. OR US-7139402-$.DID. OR US-4281738-$.DID. OR US-20010023792-$.DID. OR US-4314620-$.DID. OR US-20030021428-$.DID. OR US-4345502-$.DID. OR US-20050129251-$.DID. OR US-4357490-$.DID. OR US-20060014570-$.DID. OR US-4377219-$.DID. OR US-20060023898-$.DID. OR US-4391530-$.DID. OR US-20060120549-$.DID. OR US-4412106-$.DID. OR US-20060126851-$.DID. OR US-20060188104-$.DID. OR US-4440260-$.DID. OR US-6185627-$.DID. OR US-4458362-$.DID. OR US-20030028385-$.DID. OR US-4461933-$.DID. OR US-20060086238-$.DID. OR US-4501015-$.DID. OR US-20060086239-$.DID. OR US-4524846-$.DID. OR US-20060129388-$.DID. OR US-4578809-$.DID. OR US-5532923-$.DID. OR US-4807293-$.DID. OR US-6067566-$.DID. OR US-4903300-$.DID. OR US-6721709-$.DID. OR US-4907671-$.DID. OR US-5790593-$.DID. OR US-4924963-$.DID. OR US-6115414-$.DID. OR US-4939781-$.DID. OR US-4329902-$.DID. OR US-4940108-$.DID. OR US-4327975-$.DID. OR US-5023914-$.DID. OR US-4455675-$.DID. OR US-5191176-$.DID. OR US-4494074-$.DID.

| S103 | 27 | S89 and midi | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/06/20 15:14 |
| S104 | 19 | S89 and midi with file | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/06/20 15:14 |

| S105 | 79 | midi with (optimiz$7 optimis$7) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/06/20 15:19 |
|------|----|------|------|----|----|------|
| S106 | 33 | midi with (equalize equalization equaliser equalizer equalisation equalise) | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/06/20 15:19 |
| S107 | 36 | S102 and midi | US-PGPUB; USPAT | OR | ON | 2008/06/20 15:32 |

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